

ES5000 230V 50HZ #AVR

LONG RUN ENERGY



A petrol generator designed specifically for intensive operations where performance power is demanded by professional user, over an extended period of time.

Main Features

| | | |
|----------------------|------------|-----|
| Frequency | Hz | 50 |
| Voltage | V | 230 |
| Power factor | cos ϕ | 0.9 |
| Phase and connection | | 1 |

Power Rating

| | | |
|----------------------|-----|-----|
| Standby power LTP | kVA | 5.1 |
| Standby power LTP | kW | 4.6 |
| Continuous power COP | kVA | 4.2 |
| Continuous power COP | kW | 3.9 |

Ratings definition (According to standard ISO8528 1:2005)

COP - Continuous Power: It is defined as being the maximum power which a generating set is capable of delivering continuously for an unlimited number of hours, with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

LTP - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Engine specifications

| | | |
|-------------------------|-----------------|--------------|
| Engine manufacturer | | Honda |
| Model | | GX270 Recoil |
| Engine cooling system | | Air |
| Displacement | cm ³ | 270 |
| Aspiration | | Natural |
| Operating Speed-Nominal | rpm | 3000 |
| Speed governor | | Mechanical |
| Fuel | | Petrol |
| Oil capacity | l | 1.1 |
| Starting system | | Recoil |



Alternator Specifications

| | | |
|---------------------------|----|------------|
| Type | | Brushes |
| Class | | H |
| IP protection | | 23 |
| Poles | | 2 |
| Frequency | Hz | 50 |
| Voltage tolerance | % | 2 |
| Voltage regulation system | | Electronic |
| Standard AVR | | AVR 520 |

Dimensional data

| | | |
|--------------------|--------|-----|
| Length | (L) mm | 729 |
| Width | (W) mm | 500 |
| Height | (H) mm | 536 |
| Dry weight | Kg | 61 |
| Fuel tank capacity | l | 11 |

Autonomy

| | | |
|-----------------------------|-----|------|
| Fuel consumption @ 75% PRP | l/h | 1.66 |
| Fuel consumption @ 100% PRP | l/h | 2.22 |
| Running time @ 75% PRP | h | 6.63 |
| Running time @ 100% PRP | h | 4.95 |

Noise level

| | | |
|------------------------------|-------|----|
| Guaranteed noise level (LWA) | dB(A) | 97 |
| Noise pressure level @ 7 mt | dB(A) | 69 |

GENSET CONTROL

COMMANDS:

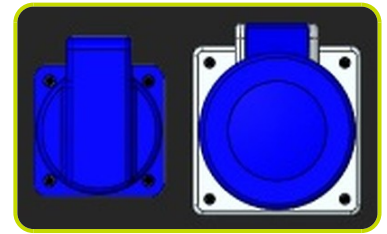
- Selector switch: OFF - ON
- Starting systems: Recoil
- Fuel Cock

PROTECTIONS STANDARD:

- Thermal protection

SOCKET TYPE

| | |
|------------------------|---|
| SCHUKO 230V 16A IP54 | 1 |
| 2P+T CEE 230V 16A IP44 | 1 |



SUPPLEMENTS CONTROL (Available when ordered)

ASCOFDIFF

Extra Protection with:

- differential protection 30mA
- circuit breaker
- hourmeter



ACCESSORIES

TRANSPORTATION KIT

- With fix handles
- With folding handles

LIGHT TOWER

for portable generators (with tubular frames)

- Maximum Height 4.2m
- Elevations Pneumatic
- Quick open/close systems for legs
- Mast support and four lifting
- Lamp available Watt/Type:
 - n.4 X 500W Halogen (required power from generator: 2.5kVA 230V Single Phase)
 - n.4 X 1000W Halogen (required power from generator: 5,0kVA 230V Single Phase)



MTS- MANUAL TRANSFER SWITCH

- Manual transfer switch 40A (for manual control versions 230V)



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